

Atom Colour Board BOM

RefDes	Value	Description	Notes	Supplier Part No.	Quantity
C1-9	220nF	Ceramic capacitor			9
C10	4n7	Ceramic capacitor			1
C11	47uF/16V	Electrolytic capacitor			1
C12-14	100nF	Ceramic capacitor			3
IC1,3	THS7314	3-channel SDTV video amplifier	SO-8		2
IC2	LMH1251	LMH1251 YPBPR to RGBHV converter	TSSOP-24		1
IC4	74F02	Quad 2-input NOR gate	SO-14	SN74F02DR	1
J1	2-pin 0.1"	Header	Video output		1
J2	4-pin 0.1"	Header	YPrPb output		1
J3	6-pin 0.1"	Header	RGB output		1
LK1	2 x 2 0.1"	Link	SYNC		1
PL1	2 x 5 0.1"	Header	Atom PL4 input		1
R1,2,3,4,11,12,14	75R	250mW resistor			7
R5,6,7	1K0	250mW resistor			3
R8	4K7	250mW resistor			1
R9,10,13	1K0	Preset		Bourns 3386P	3
R15	200R	250mW resistor			1
R16	10K	250mW resistor			1

Off board Parts

	10-way	Ribbon cable			110mm
	10-way	Ribbon cable header		3M	2